

2. The method for performing segmenting locking of encrypted digital assets based on time dimension according to claim 1, characterized in that, the said first data structure is data structure of Account, the second data structure is data structure of UTXO or data structure of Hybrid Model.

3. The method for performing segmenting locking of encrypted digital assets based on time dimension according to claim 1, characterized in that, before the first user terminal's ownership related to the first encrypted digital asset (N, M) in the time period interval (T1, T2) is separated, the second data structure needs to receive a transfer request related to the first encrypted digital asset (N, M) initiated by the first user terminal in a first account model, the transfer request comprises the time point parameter P.

4. The method for performing segmenting locking of encrypted digital assets based on time dimension according to claim 1, characterized in that, the said right to use comprises the transfer and exchange of the first encrypted digital asset (N, M).

5. The method for performing segmenting locking of encrypted digital assets based on time dimension according to claim 1, characterized in that, after the first user terminal's ownership related to the first encrypted digital asset (N, M) in the time period interval (T1, T2) is separated, the first data structure will eliminate the transferred first encrypted digital asset (N, M).

6. A method for realizing merging control of encrypted digital assets based on time dimension, based on the method for performing segmenting locking of encrypted digital assets based on time dimension according to claim 1, characterized in that, the said method comprises: in the second data structure, based on the first user terminal's ownership related to the first encrypted digital asset in the time period interval P+1 to T2, and according to that after the right to use of the second user related to the first encrypted digital asset in the time period interval Q to P has been obtained, the first user terminal could obtain the ownership related to the first encrypted digital asset in the time period Q to T2, the said Q is any positive integers, and the  $T1 < Q < P < T2$ .

7. The method for performing merging control of encrypted digital assets based on time dimension according to claim 6, characterized in that, the said method also comprises: the first encrypted digital asset is added to the first data structure.

8. The method for performing merging control of encrypted digital assets based on time dimension according to claim 6, characterized in that, the said first data structure is data structure of Account, the second data structure is data structure of UTXO or data structure of Hybrid Model.

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